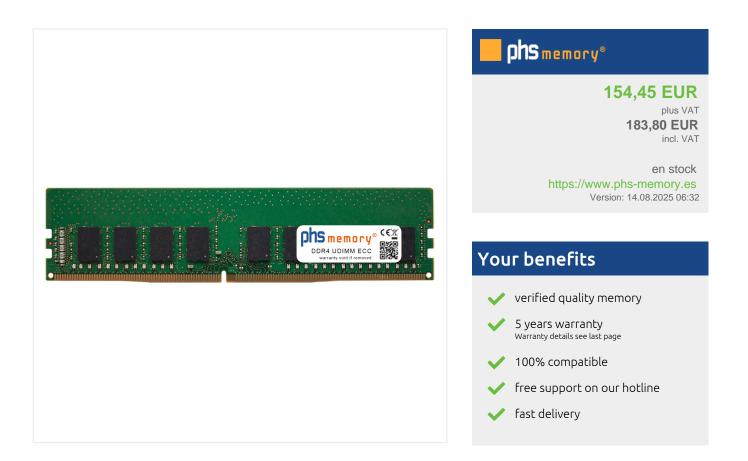
# phs memory®

# 32GB Computer memory DDR4 for HP Z238 MT (Micro Tower) UDIMM ECC



#### PHS-memory® - computer memory with 100% quality

- many years of IT competence
- Free support for optimal configuration and product selection
- High availability through professional warehouse management
- Fast delivery in throughout Europe
- Short response times and professional order processing due to full digitalization throughout the entire process with complete traceability
- Incoming goods inspection include checks of the DRAMs, PCBs and the programmed SPDs in order to exclude possible errors (Controlled BOM).
- PHS-memory® brand memories guarantee 100% compatibility to the specified system.
- PHS-memory® memories can be used together with existing memories in the device depends on to the configuration rules of the system.
- The "fallback option" in the SPD of PHS-memory® allows DRAMs with higher clock rates to be operated together with older memory modules with lower clock rates within the system.
- Products with unique serial number for service and warranty
- Pre-sales and after-sales support by technically trained personnel



## Memory Specification

-	133.35mm
DR4 UDIMM ECC warranty void if removed	31.25mm 30.75mm 17.60mm
■ 56.10mm	

Memory size	32GB		
Memory technology	DDR4		
ECC support	yes		
JEDEC Norm	PC4-2666V-E		
DRAM Organization	2Gx8		
Rank	2Rx8		
Туре	UDIMM ECC (ECC unbuffered)		
Number of pins	288 Pin DIMM		
Memory data transfer rate	2666MHz @ CL19		
Voltage	1,2 Volt		
Speciality	-		
Board dimensions	133,35 x 31,25 (LxB mm)		
Operating temperature	0° C - 85° C		
Storage temperature	-40° C - +95° C		
RoHS compliant	yes		
SKU	SP420651		
EAN	4064578837280		

Note: The module specified in this datasheet is one of several possible configurations available under this part number.

Some details may differ from the specifications described here and the illustration, but have no negative influence on the functionality.



#### System Specifications

The memory is 100% compatible with this sytem:

System manufacturer	HP	
Device type	Workstation	
Device family	Workstation	
Device series	Z230 Serie	
Device name	Z238 MT (Micro Tower)	
Standard memory	4GB (1x4GB)	
Maximum memory*	128GB	
Number of memory sockets	4	

\* The specifications for the maximum memory upgrade may differ from those of the manufacturer HP. Often the information given in the manual for the maximum memory upgrade is not up to date. New memory technologies, bios updates or newer software versions often allow the use of memory modules with a higher capacity than specified by the manufacturer with the same performance and stability.

#### Information on memory installation

- Turn off the system
- Remove the plug of the power supply unit (if connected)
- Remove the battery, according to the user manual of the system
- Always ground yourself before touching electronic components
- Protect the memory module from static voltages:
- Do not touch the gold pins of the memory module
- Only touch the sides of the memory module
- Use a grounding strap and/or ESD glove if possible

General installation instructions are supplied by E-Mail.



### Further memory options for HP Z238 MT (Micro Tower)

	rechn	ology Type	Number of	pins Brand	Reference no.
4GB SP185	729 DDR4	UDIMM ( ECC unbuffer		1M PHS-memory®	
8GB SP185	730 DDR4	UDIMM ( ECC unbuffer		1M PHS-memory®	
8GB SP185	727 DDR4	UDIMM E (ECC unbuffer		1M PHS-memory®	
16GB SP185	728 DDR4	UDIMM ( ECC unbuffer		1M PHS-memory®	
16GB SP185	726 DDR4	UDIMM E (ECC unbuffer		1M PHS-memory®	
32GB SP306	914 DDR4	UDIMM ( ECC unbuffer		1M PHS-memory®	
32GB SP420	651 DDR4	UDIMM E (ECC unbuffer		1M PHS-memory®	

#### PHS-memory® warranty

Every PHS-memory® is equipped with a 5-years-warranty of perfect operation. If the RAM module is defective or fails within 5 years of purchase when used properly, you will receive an appropriate RAM module free of charge. If a suitable memory module is no longer available, we will refund the purchase price.

For more information on warranty and service please visit https://www.phs-memory.es/-W5Y



#### Contact Information

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All information without guarantee. Technical changes and errors excepted. You can find current price information in our online shop at https://www.phs-memory.es